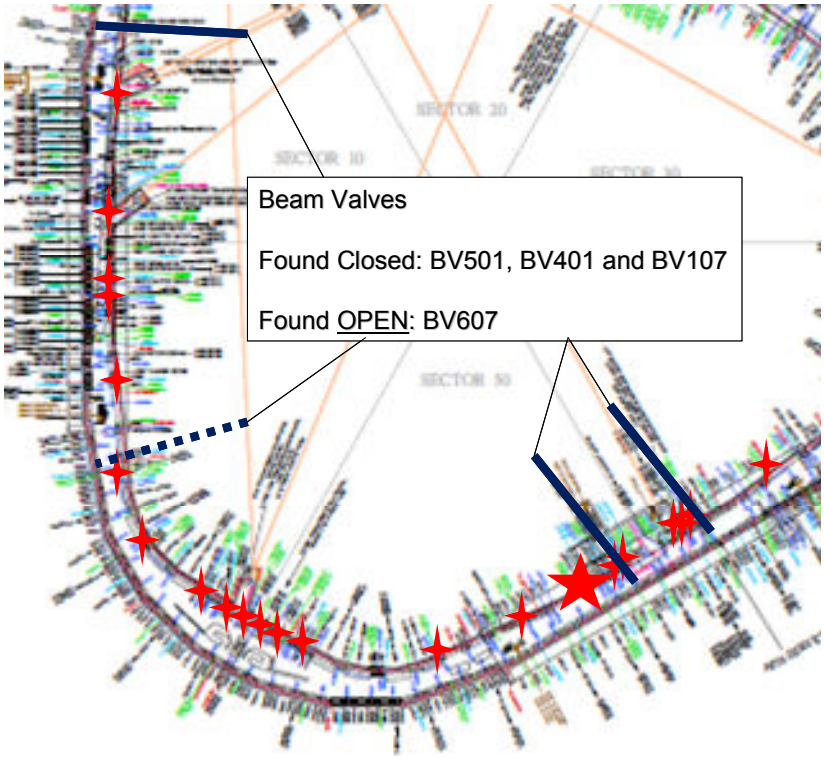
2009-09-10 Pbar Department Meeting

Thursday, September 10, 2009
10:00 AM



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- Had to bake three vacuum sectors
- Status
  - Power supplies
    - AP1
    - AP2/AP3
    - Rings
      - D:QS608 may require access
      - Lets map A:BFIELD to A:NMR50
  - Target Station
    - Target
    - Lens
      - 1300V now, going to walk up to 2300V then turn off tonight.
    - Pmag
      - Lens and PMAG scope dead.
      - Cycled PS - heard a pop
      - same crate as target rotation, LV power supplies absent.
    - Tony gone Friday through Sunday...
  - RF Systems
    - DRF1,2,3
      - DRF1-3 had a bunch of trips, so got turned down….was 950, now 700.
      - Four spares, 8 tubes….close to re-order time.
      - DRF1-1 had odd problems….pulsing really hard…way off in frequency or phase? DRF1-8 is showing normal.
    - ARF1,2,3,4
      - ARF3 and 4 ok
      - ARF1 should be ready to go. Anode PS was off.
      - ARF2 - should be ok.
  - Pulsed Devices - pulsing...

- Kickers
- Septa
- IKIKP1 has a problem….charging cable coated with black substance.
  - Ohmed out PFN.
  - Changing tank.
  - Put all three back to main PS.

- Cooling
  - LHe, LN2 - back in tunnel, cold.
    - He pressures a little high, due to suction pressure high, due to compressor config.
  - List for phasing
    - Had to replace a few stacktail TWTs.
  - NA program
    - Ready for new two tanks
- Diagnostics
  - Dampers, BPMs, SEMs, Schottkys, DCCTs, Ion Gauges
    - Dampers - readback from hor low band amp. 12V supply that runs the remote control chassis was 7.5V, which led to find that relay in damper was toast. Used 12V AC relays in a 12V DC system… this overdissapates the coils, so they give up over time….
    - Debuncher BPMS were working fine, but recently had a few problems. Blown 3 V supply.
    - AP2 BPMs? Not sure of their status...
  - Seq. Aggregates
    - Ready to try
    - Timeline was modified for one shots…
    - If Tev is doing 220 sec Timeline, we will be sitting a long time...

- Start-up
  - MI will access Sat or Monday to make magnet moves…
  - MI may set positions for extraction of reverse proton beam…
  - Measure tunes vs dp/p in Debuncher…
  - As soon as 120 GeV beam, shake out stacking….
  - After MI can circulate beam
    - Reverse protons to Accumulator
    - ACC orbit, tunes, admittance
    - DEB orbit, tunes, admittance
  - After MI can accelerate beam
    - Protons to target
    - Beam to Debuncher
      - Check RF
      - If cold, cursory check of cooling
    - Beam to Accumulator
      - Stack
        - Check of 4-8GHz Core
      - Transfer
  - After stable operation
    - Full check of all cooling systems
- FTL
  - Please enter the time you worked
    - Don't believe exactly 8hr/day
    - Enter time in 0.1hr and/or 0.25hr increments
  - Please use appropriate task code
  - Take a few minutes at the end of each day to enter time for day
    - Go ahead and submit ("Continue to Review" & "Confirm") on Friday
    - First thing Monday adjust for weekend work and re-submit; create new time card for week
  - Questions
    - Use web site off of AD home page
    - Ask me